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CONFIDENTIALCENTRAL INTELLIGENCE AGENCY  
**INFORMATION REPORT**

50X1-HUM

COUNTRY USSR

SUBJECT Chemical Degasing Substances Used in Soviet Armed Forces and MPVO

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1. "In 1954 the chemical degasing substances used in the Soviet armed forces and MPVO (mestnaya protivovozdushnaya oborona - local antiaircraft defense) are:

- a. Chloride of Lime [calcium hypochlorite] which is a white powder containing 32-36 per cent of active chlorine. It is used in its dry state for degasing localities infected with persistent poisonous substances at the ratio of 400 grams of powder per one square meter of surface.

Chloride of lime is supplied by the factories in wooden barrels of 35 and 50 kg. The equipment used for the spreading of the powder are:

1. the drawable degasing apparatus 'VDP'
2. the degasing horsecart 'KDP'
3. the degasing car 'ADM'

The most modern of these is 'ADM-ZIS-6' which exists only in large towns. This car takes 2,000 kg of chloride of lime and moves at a speed of 10 km/hours covering a belt six meters broad with an even layer of powder.

- b. Chlorous sulphuric [sic] ('KHS'), a smoking liquid with an irritant smell. It is used for degasing localities infected with persistent poisonous substances at a ratio of one liter per one square meter of surface and is supplied by the factories in barrels of 100 liters. For spreading it the Soviet armed forces use:

1. portable degasing equipment 'RDP'
2. horse-drawn degasing cisterns
3. motor-cisterns for degasing 'ATsD'

The 'RDP' equipment used in the army resembles the appliance with which gardeners spray trees. Its technical data are:

Weight of empty apparatus	7 kg
Weight of charged apparatus	28 kg
Operating volume	12 liters of liquid
Length of spurt	up to 25 meters

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Breadth of spurt 1 meter  
Time to empty 11 minutes  
Time required for recharging 1.5 - 2 minutes  
The apparatus is carried by one soldier.

The motor-cistern for degasing 'ATsD-ZIS-5' has a volume of 1,000 liters. At its back the cistern has a spraying appliance which under the pressure of four atmospheres in the cistern sprays a strip five meters broad at the ratio of 0.8 - 1.0 liters per one square meter of surface. The motor cistern moves at the speed of 10 km/hours.

- c. Monochloradine [Sic] B (DT-1), a white powder, easily dissolved in water. Its solution is used to degas clothes, rubberized and thin rubber objects.
- d. Dichloramine-T (DT-2), a powder of light yellow color used for degasing arms and battle cars (tanks, armored cars, etc.). Furthermore, kerosene, gasoline, rectified spirits, dichlorethane and chloroform are also regarded as degasing substances by means of which poisonous substances can be washed off."

- End -

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